AMENDMENTS TO THE CLAIMS

Please amend Claims 1-5, 7, 8 and 13; and add new Claims 14-18 as follows.

LISTING OF CLAIMS

1. (currently amended) A vehicle air conditioner comprising:

a cooling heat exchanger for cooling air;

a heating heat exchanger for heating air;

a cooled air passage through which cooled air cooled by the cooling heat exchanger flows;

a heated air passage through which heated air heated by the heating heat exchanger flows;

an intersecting portion to which the cooled air passage and the heated air passage are connected;

a cylindrical rotary door provided at the intersecting portion having a ~~plurality of openings and partition walls at its~~ periphery defining only an inlet-side opening, an outlet-side opening and two partition walls; and

a plurality of blow-out openings provided at a downstream side with respect to the intersecting portion for blowing [[the]] conditioned air to a passenger compartment of the vehicle, wherein:

a communicating area ratio between [[an]] the inlet-side opening ~~among the plurality of openings~~ and at least one of the cooled air passage and the heated air passage changes by a rotation of the rotary door so that the rotary door serves as an air mixing device, while a communicating area ratio between [[an]] the outlet-side opening ~~among the plurality of openings~~ and at least one of the blow-out openings changes by the

rotation of the rotary door so that the rotary door serves as a mode switching door at the same time;

the rotary door has a rotated position where the conditioned air is prevented from being blown out through the plurality of blow-out openings by one of the partition [[wall]] walls; and

the plurality of blow-out openings includes a face opening and a foot opening.

2. (currently amended) A vehicle air conditioner according to claim 1, wherein:

at least one of said partition [[wall]] walls of the rotary door has at least one of a resin film-like member, a thin plate resin member and a thin plate metal member.

3. (currently amended) A vehicle air conditioner according to claim 1, wherein:

said rotary door is made of a resin material or a metal material, and said rotary door has a sealing member to prevent the ~~plurality of openings~~ inlet-side opening and the outlet-side opening from communicating with the plurality of blow-out openings.

4. (currently amended) A vehicle air conditioner according to claim 1, wherein:

said rotary door has a position where one of the partition [[wall]] walls shuts both the cooled air passage and the heated air passage provided at an upstream side of the intersecting portion.

5. (currently amended) A vehicle air conditioner according to claim 1, wherein:

said rotary door has a position where one of the partition [[wall]] walls shuts the plurality of blow-out openings provided at the downstream side of the intersecting portion.

6. (original) A vehicle air conditioner according to claim 1, wherein:

said plurality of blown-out openings includes a rear seat face opening for blowing the conditioned air toward an upper body of a passenger seated in a rear seat, and a rear seat foot opening for blowing the conditioned air toward a foot portion of the passenger seated in the rear seat.

7. (currently amended) A vehicle air conditioner according to claim 6, wherein:

the rear seat face opening is arranged adjacent the rear seat foot opening in a circumferential direction of the cylindrical rotary door.

8. (currently amended; withdrawn) A vehicle air conditioner according to claim 6, wherein:

the rear seat face opening and the rear seat foot opening are arranged in a direction parallel to a central axis of the cylindrical rotary door so that the rear seat face opening and the rear seat foot opening are arranged at different positions along the central axis, respectively.

9. (withdrawn) A vehicle air conditioner according to claim 8, wherein:

a rib is provided at an end of the inlet-side opening opposed to the rear seat face opening to reduce a communicating area defined by the inlet-side opening with said rib and an open end of the heated air passage.

10. (withdrawn) A vehicle air conditioner according to claim 8, wherein:

a rib is provided at an end of the inlet-side opening opposed to the rear seat foot opening to reduce a communicating area defined by the inlet-side opening with said rib and an open end of the cooled air passage.

11. (withdrawn) A vehicle air conditioner according to claim 8, wherein:

a rib is provided at a partitioning portion formed between the cooled air passage opposed to the rear seat face opening and the heated air passage opposed to the rear seat face opening, and the rib reduces a communicating area between the inlet-side opening and the heated air passage.

12. (withdrawn) A vehicle air conditioner according to claim 8, wherein:

a rib is provided at a partitioning portion formed between the cooled air passage opposed to the rear seat foot opening and the heated air passage opposed to the rear seat foot opening, and the rib reduces a communicating area between the inlet-side opening and the cooled air passage.

13. (currently amended) A vehicle air conditioner according to claim 1, wherein:

~~said partitioning portion~~ one of the partition walls includes a longer arc defined [[with]] by one end of the inlet-side opening and one end of the outlet-side opening, and the other of the partition walls includes a shorter arc defined [[with]] by the other end of the inlet-side opening and the other end of the outlet-side opening, wherein:

the rotary door has a position where said longer arc simultaneously closes both of the cooled air passage and the heated air passage or both of the face opening and the foot opening.

14. (new) A vehicle air conditioner comprising:

a cooling heat exchanger;

a heating heat exchanger;

a cooled air passage through which air cooled by the cooling heat exchanger flows;

a heated air passage through which air heated by the heating heat exchanger flows;

an intersecting portion provided a downstream side with respect to the heated air passage and the cooled air passage to which the cooled air passage and the heated air passage are connected;

a cylindrical rotary door provided in the intersecting portion, the cylindrical rotary door having a plurality of openings and a plurality of partition walls at its periphery;

a plurality of blow-out openings provided at a downstream side with respect to the intersecting portion for blowing conditioned air to a passenger compartment of the vehicle; wherein

a communicating area ratio between an inlet-side opening of one of the plurality of openings and one of the cooled air passage and the heated air passage changes by rotation of the rotary door so that the rotary door serves as an air mixing device, a communicating air ration of an outlet-side of one of the plurality of openings and one of the blow-out openings changes by the rotation of the rotary door so that the rotary door also serves as a mode switching door;

the rotary door has a first position where two of the plurality of blow-out openings are simultaneously closed by one of the plurality of partition walls of the rotary door.

15. (new) A vehicle air conditioner according to claim 14, wherein the rotary door has a second position where the cooled air passage and the heated air passage are simultaneously closed by one of the plurality of partition walls.

16. (new) A vehicle air conditioner according to claim 14, wherein the plurality of openings comprises only two openings.

17. (new) A vehicle air conditioner according to claim 16, wherein the plurality of partition walls is only two partition walls.

18. (new) A vehicle air conditioner according to claim 14, wherein the plurality of partition walls is only two partition walls.